revised Oct 25



Statewide Ortho Imagery-Washington State's

ortunit

Washington State agencies participate in a cooperative aerial photography mapping program that produces The orthophoto State data for much of the state of **Program** Washington.

This means that cooperating state agencies are using the same base data for conducting regulatory, land management and planning work. This cooperative program will complete and deliver its first cycle of color orthophoto coverage in early 2006. A goal of the state of Washington program is to provide a consistent set of data over the entire geographic extent of the state. However, funding did not allow aerial photography to be collected on Federal lands or the Columbia Basin during this most recent cycle (Figure 1).

Color Orthophoto Projects -Completed and Planned

The National Agriculture Imagery Program (NAIP), a cooperative program between Federal

The **Federal Program**

Agencies, provides orthophoto data of agricultural

lands. The focus of the Federal program is to provide orthophoto imagery of agricultural lands to support Federal ag and natural resource conservation programs. The major product of this program is a moderate (2 meter) resolution orthophoto that is produced and provided to crop compliance field staff within 30 days of the date of aerial photography (Figure 2).

> The NAIP program is willing to expand its coverage from ag lands to statewide coverage and increase the resolution of

Figure 1 Orthophoto coverage provided by state of Washington program

to Participate in the **National Agriculture Imagery Program**

its orthophoto product to one meter if additional funds can be obtained from cooperating states.

NAIP plans to fly the state of Washington in 2006 and produce



coverage if organizations within the state agree to participate and provide additional funding. This is an opportunity for organizations in the state of Washington to obtain statewide orthophoto coverage collected in a single flying season.

Figure 2 Ortho coverage provided by NAIP

OCT '05

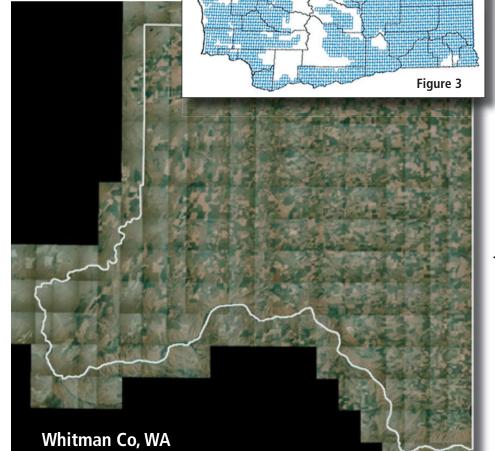


Seize the moment...

NAIP **Standard**

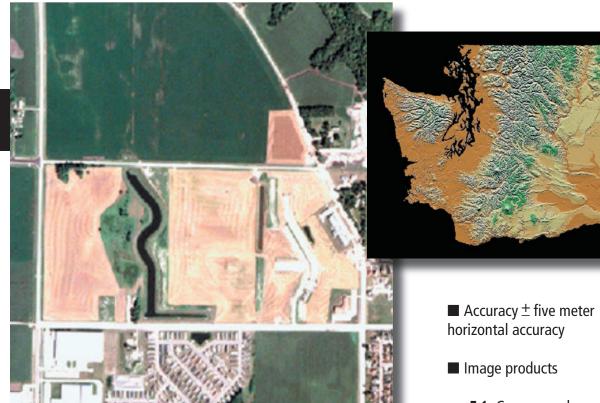
The National Agriculture Imagery Program will collect ortho image data of the following specifications in 2006 if Washington agencies **do not** participate.

- Coverage-Agricultural lands only (Figure 3)
- Resolution-two meter pixel resolution
- Imagery true color
- Accuracy ± five meter horizontal accuracy
- Image products
 - 1. Compressed county mosaicked file (MrSid 15:1 compression)
 - 2. Quarter quadrangle format tiff file with two meter resolution
- Projection UTM zone appropriate (Zone 10 and Zone 11)
- Cloud cover up to ten percent



- **◆** Current Standard:
 - Agricultural lands
 - 2 meter image

Additional information about the NAIP program can be found at: **www.apfo.usda.gov**



NAIP

Cooperatively Enhanced Specifications

Washington Geographic Information Council's (WAGIC) goal for this effort is to, as a mininum, acquire cooperative funding to expand the National Agriculture Image Program to include statewide coverage and an enhanced resolution from two meters to one meter. A secondary goal is to allow the acquisition of value added products for organizations that need and can fund these products.

The National Agriculture Imag-

ery Program will collect ortho image data of the following specifications in 2006 if Washington agencies **do** participate.

Basic Enhanced Specifications

- **Statewide** orthophoto image coverage
- Resolution-one meter pixel resolution
- Imagery true color

- 1. Compressed county mosaicked file (MrSid 15:1 compression)
- 2. Quarter quadrangle format tiff file with one meter resolution
- Projection UTM appropriate (Zone 10 and Zone 11)
- Cloud cover up to ten percent

Value Added Products (as additional funding allows)

- Projection State Plane Zone Appropriate, statewide south zone
- Resolution Resampled to state of Washington 3 foot pixel size
- Stereo imagery (raw digital image files)
- Enhanced resolution Half meter resolution

OCT'05 Page 03

Cost to

Participate and proposed schedule

Goal: To raise a total of \$400,000 in contributions from State, County, and Federal government organizations, before

the end of December 2005. This level of contribution will provide statewide coverage and one meter resolution data.

'05 **SEP**1

Going...

ng... Going...

Gone!

Deadline
for commitment
to contribute

Coordination and **Contacts**

■ Federal Agencies:

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■ Large Private Organizations:

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30-60 days from flying time, to delivery of product

■ Other (universities, tribes):

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■ Overall Coordination:

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'06 MAY AUG OCT

Flying

2 Meter > Product

◆ State Payment ▶

'07 MAY JUNE SEPT

1 Meter Product